

# ThreatIQ and CostIQ

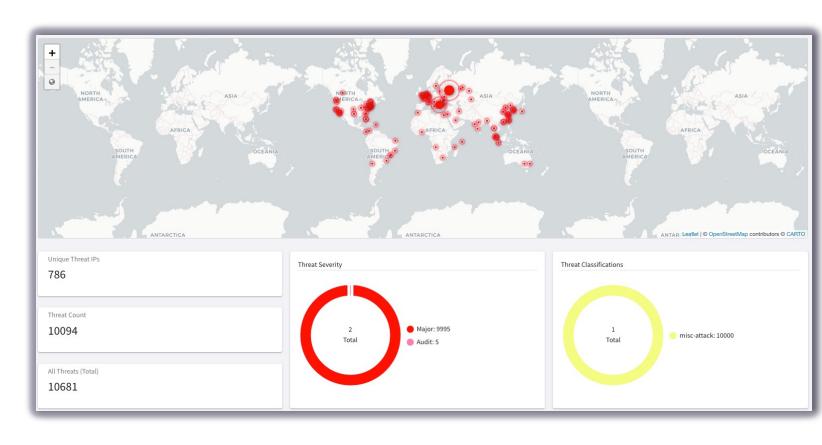
IDENTIFY AND REMEDIATE THREATS ACROSS MULTICLOUD NETWORKS

**ACE Solutions Architecture Team** 

## What is it?



- Multicloud native network security to dynamically identify, alert, and remediate potential threats to known malicious IP addresses
- Distributed threat visibility and control built into the network dataplane at every hop
- Identify potential data exfiltration and compromised host
- No data-plane performance impact
- Complementary security solution with full multicloud support

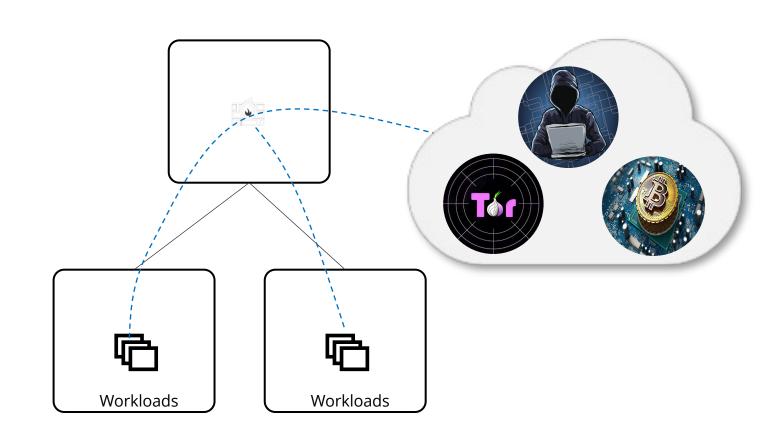




# Why should enterprises care about it?



- Internet access is everywhere in the cloud and on by default for some CSPs
- Funneling traffic through choke points or 3rd party services is inefficient and ineffective
- Protect business from security risks associated with:
  - Data exfiltration
  - Botnets
  - Compromised hosts
  - Crypto mining
  - TOR
  - DDoS, and more



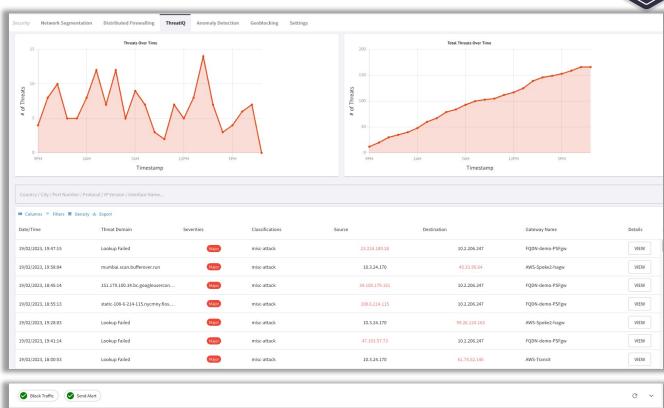
### How does it work?

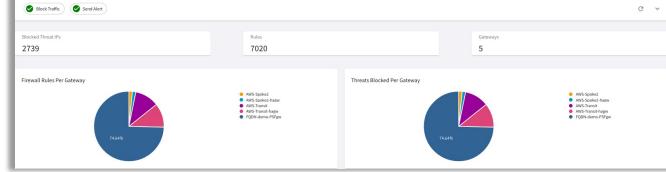
#### Distributed Inspection & Notification

- Aviatrix gateways across Multicloud environment send real-time NetFlow data to CoPilot
- CoPilot analyzes the data on all public destinations against well-known Threat DB.
- CoPilot alerts on any potential threats in the environment
- CoPilot provides extreme visibility of the impacted communication flow

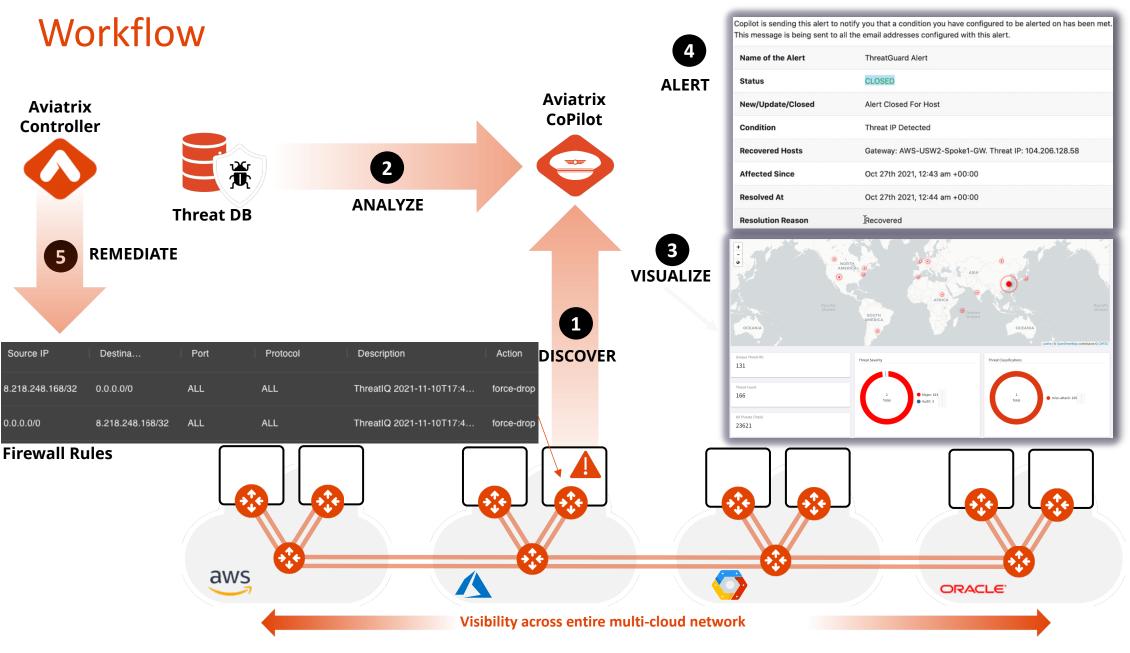
#### Distributed Enforcement

- CoPilot informs Aviatrix Controller to push firewall policies to all the Aviatrix gateways in the data path
- Firewall policies automatically get updated with the current status of the threat.
- Blocking threats with firewall policy is optional but recommended











**ACE** 

Aviatrix Certified Engineer



# CostIQ

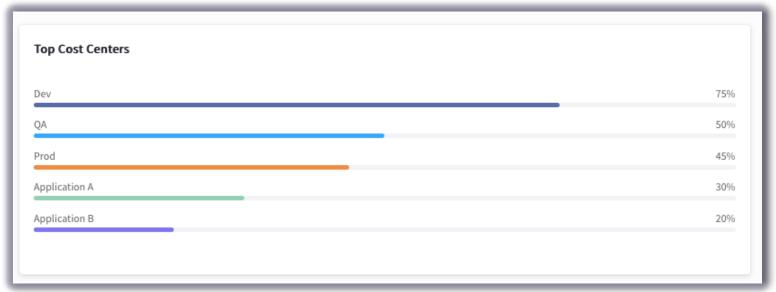
MONITORING THE COST OF YOUR BUSINESS UNITS

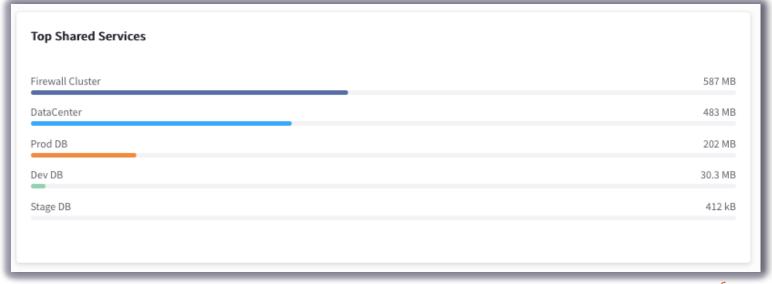
**ACE Solutions Architecture Team** 

### What is it?



- The CostIQ feature provides detailed traffic distribution analysis for your cost centers, including traffic flowing to sharedservice resource hosts by Cloud Account, by Cost Center, by VPC/VNet, and by Gateway.
- The cost information displayed in CostIQ is grouped by:
  - Cost Center A group of resources
    categorized by CSP (Cloud Service Provider)
    tags, associated VPCs/VNets. These CoPilot
    Cost Centers contain resources used by
    your real-life cost centers or business units.
  - **Shared Service** A cloud or network resource shared by multiple teams or cost centers. You define Shared Services by listing the IP addresses or IP CIDR ranges of the shared resource hosts.

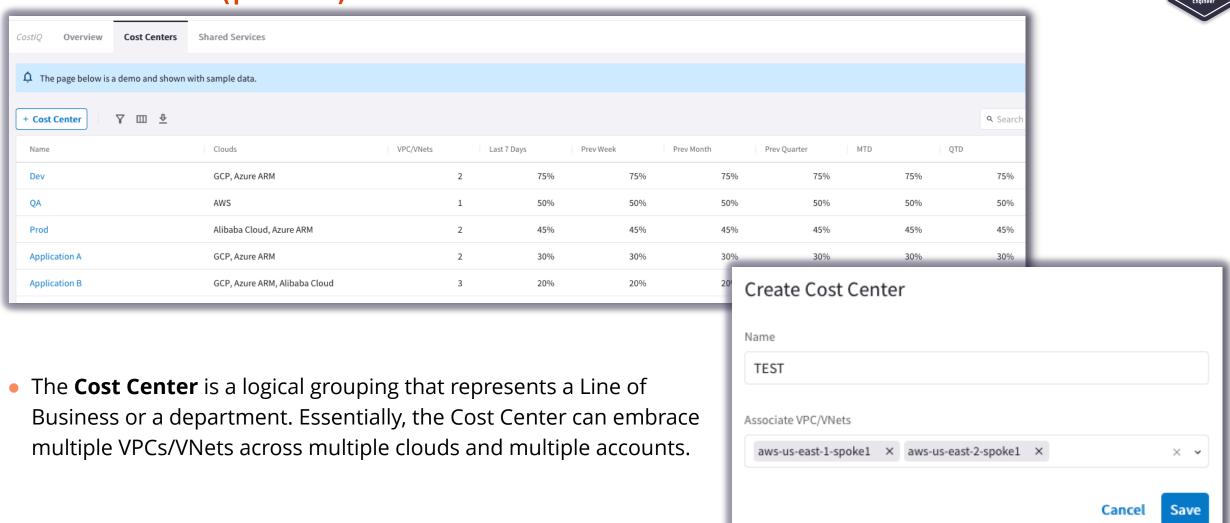






# Cost Center (part.1)

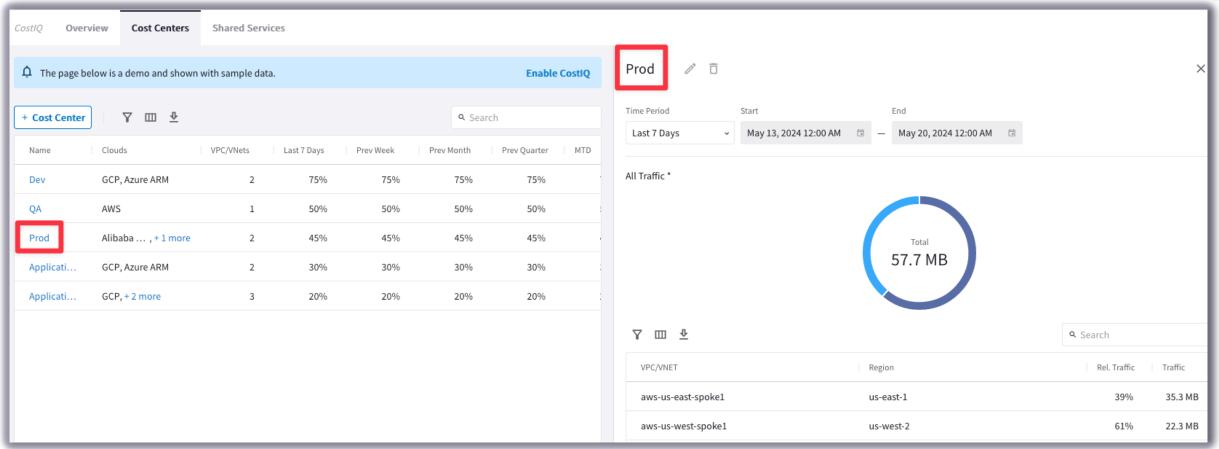






# Cost Center (part.2)



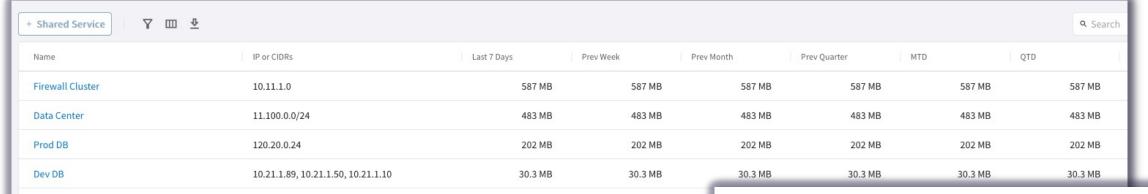


• After defined a Cost Center, you can investigate all the associated Application VPCs/VNets that are all part of that Cost Center. You can drill down and find out the **relative amount of traffic** for each Application VPC/Vnet.



# Shared Center (part.1)





412 kB

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- The **Shared Service** is another logical grouping that represents a Shared Application, for instance a syslog collector like Splunk. You can also associate S3 buckets to your Shared Services.
- The Shared Service allows you to monitor the resources that try reaching your shared applications

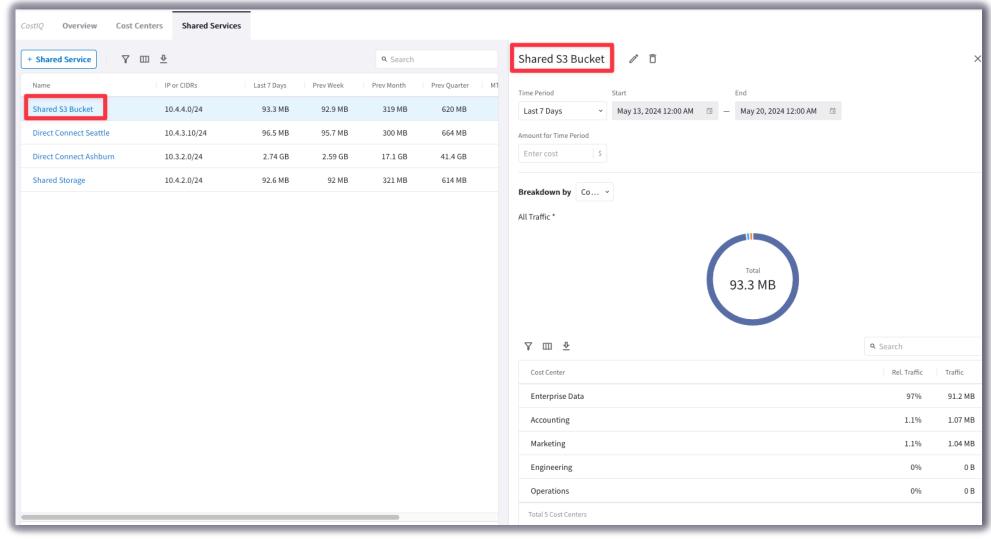
10.21.1.90

Add Shared Service		
Name		
SPLUNK		
IP CIDRs		
10.11.150.28		×
	Cancel	Save

Stage DB

# Shared Center (part.2)





• After defining a Shared Service, you can accurately find out what LOB/Department has been utilizing it.





Next: Lab 9 – ThreatIQ and CostIQ

